asurements recorded on 20-06-2019

ne Of work : - Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.

OQ em	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
49	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.6, PWD SR 2016-17									
	For Compound Wall									
			1	19.5			0.60	0.60	7.02	
			1	20.20			0.60	0.60	7.27	
						Total Quantity			**14.29**	**cu-m**

easurements recorded on 20-06-2019

me Of work : - Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.

BOQ Item	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
50	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.9, PWD SR 2016-17									
	For Compound Wall									
			1	19.50			0.45	0.60	5.27	
			1	20.20			0.45	0.60	5.45	
						Total Quantity			**10.72**	
						Quantity Limited to			**9.22**	**cu-m**

CAFE

asurements recorded on 22/6/19

me Of work : - Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.

OQ tem	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
51	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.12, Item No. 4.6 PWD SR 2016-17									
	For Compound Wall									
			1	19.5			0.45	0.15	1.32	
			1	20.20			0.45	0.15	1.36	
						Total Quantity			**2.68**	**cu-m**

Consultant

Assistant Engineer

Assistant Executive Engineer

asurements recorded on 20-05-2019

me Of work : - Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.

OQ em	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
52	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications Page No. 113 / Item No. 15.1, PWD SR 2016-17									
	For Compound Wall									
			2	19.50				0.60	23.40	
			2	20.20				0.60	24.24	
						Total Quantity			**47.64**	**cu-m**

Consultant

Assistant Engineer

Assistant Executive Engineer

tailed Measurement

urements recorded on 20-10-2019

e Of work : - Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.

Q m	Description Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
3	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 Page No. 25 / Item No. 5.26.2, PWD SR 2016-17									
	For Compound Wall									
			1	19.5				2.35	45.83	
			6	0.20				2.35	2.82	
			1	20.20				2.35	47.47	
			5	0.20				2.35	2.35	
							Total Quantity		**98.47**	**Sq-m**

Assistant Engineer

Assistant Executive Engine

tailed Measurement

urements recorded on 30-10-2019

e Of work : - Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.

Q / m	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
4	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114 / Item No. 15.17, PWD SR 2016-17 (Outside Wall)									
	For Compound Wall									
		2.00	1	19.50				2.35	91.65	
		3.00	6	0.20				2.35	8.46	
		2.00	1	20.20				2.35	94.94	
		3.00	5	0.20				2.35	7.05	
						Total Quantity			**202.10**	
						Quantity Limited To			**159.92**	**Sq-m**

Assistant Engineer

Assistant Executive Engine

NAME OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

easurement

BRUHAT BANGALORE MAHANAGARA PALIKE

Code :- 008-18-000024

e of Agency :- K.BABU RAJU

No :- First anf Part Bill

IE OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

asurements recorded on 25-06-2019

Q No	**Description of item**	**No**	**L**	**B**	**D**	**Quantity**	**Remarks**
85	**Outdoor PLZ IP Cameras with 20 X optical zoom with controller along with suitable mounting system (PTZ Pan Tilt and Zoom feature is availbale in this camera can be contolled by the software for pan Tilt and zoom feature at the contol center and can be programmed to view at different angles and zoom level continuosly. It operates at day and night and the viewing distance at clarity is about 100 metres**						
	PTZ Pole					1.00	
	Kodigehalli Circle- Near Raj Mohan Theatre	1				**1.00**	**Nos.**

CONSULTA

Executive Engin

easurement

E OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

surements recorded on 25-06-2019

Q No	Description of item	No	L	B	D	Quantity	Remarks
86	**Bracket (Corner Mount / Pole Mount/ Wall Mount) for mounting the PTZ camera.**						
	PTZ Pole					1.00	
	Kodigehalli Circle- Near Raj Mohan Theatre	1					
	Bullet Camera Pole					1.00	
	Muneshwara Block- Next to SWD	1				1.00	
	Tata Nagar - Vegetable Shop Junction	1				1.00	
	Harappa Layout Main Road-Golden Wines Junctions	1				1.00	
	Bajaj Layout Junction	1				1.00	
	Kodigehalli Hanumayya Badavane	1				1.00	
						6.00	**Nos.**

asurement

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

urements recorded on 25-06-2017

No	Description of item	No	L	B	D	Quantity	Remarks
7	**Outdoor 50 Meter IP Cameras with IR & Mounting Bracket (with IR for day and night vision and can provide a viewing distance of 50 metres)**						
	PTZ Pole						
	Kodigehalli Circle- Near Raj Mohan Theatre	1				1.00	
	Bullet Camera Pole						
	Muneshwara Block- Next to SWD	1				1.00	
	Tata Nagar - Vegetable Shop Junction	1				1.00	
	Harappa Layout Main Road-Golden Wines Junctions	1				1.00	
	Bajaj Layout Junction	1				1.00	
	Kodigehalli Hanumayya Badavane	1				1.00	
						6.00	**Nos.**

NSULTA

Executive Engi

asurement

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

irements recorded on 25-05-2017

No	Description of item	No	L	B	D	Quantity	Remarks
8	**Bracket and weatherproof Installation kit for 50 Meter IP Camera**						
	PTZ Pole						
	Kodigehalli Circle- Near Raj Mohan Theatre	1				1.00	
	Bullet Camera Pole						
	Muneshwara Block- Next to SWD	1				1.00	
	Tata Nagar - Vegetable Shop Junction	1				1.00	
	Harappa Layout Main Road-Golden Wines Junctions	1				1.00	
	Bajaj Layout Junction	1				1.00	
	Kodigehalli Hanumayya Badavane	1				1.00	
						6.00	**Nos.**

surement

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

rements recorded on 26-06-2019

No	Description of item	No	L	B	D	Quantity	Remarks
	Outdoor 30 Meter IP Cameras with IR & Mounting Bracket (with IR for day and night vision and can provide a viewing distance of 30 metres)						
	PTZ Pole					1.00	
	Kodigehalli Circle- Near Raj Mohan Theatre	1					
	Bullet Camera Pole					1.00	
	Muneshwara Block- Next to SWD	1				1.00	
	Tata Nagar - Vegetable Shop Junction	1				1.00	
	Harappa Layout Main Road-Golden Wines Junctions	1				1.00	
	Bajaj Layout Junction	1				1.00	
	Kodigehalli Hanumayya Badavane	1				**6.00**	**Nos.**

surement

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08 Kodigehalli

rements recorded on 2-7-2019

No	Description of item	No	L	B	D	Quantity	Remarks
)	**Bracket and weatherproof Installation kit for 30 Meter IP Camera**						
	PTZ Pole						Nos
	Kodigehalli Circle- Near Raj Mohan Theatre	1					
	Bullet Camera Pole						
	Muneshwara Block- Next to SWD	1					
	Tata Nagar - Vegetable Shop Junction	1					
	Harappa Layout Main Road-Golden Wines Junctions	1					
	Bajaj Layout Junction	1					
	Kodigehalli Hanumayya Badavane	1					

surement

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

rements recorded on 3-7-2019

No	Description of item	No	L	B	D	Quantity	Remarks
	32 Channel NVR DS 7732 NI- E4 (with 4 Sata Option) the control box and the recording device to connect upto 32 devices, can be cascaded to provide additional cameras					**1.00**	**Nos**
	In Ward Office	1					

surement

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

rements recorded on 3-7-2019

No	Description of item	No	L	B	D	Quantity	Remarks
2	12 TB NAS Box for Back up (NET GEAR) provides storage for the recorded data for quick view back and storage					1.00	Nos
	In Ward Office	1					

NSULTA

Asst Executive En

asurement

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.						
rements recorded on 3-7-2019						
No	Description of item	No	L	B	D	Quantity	Remarks
	A suitable sheet metal control panel to house site Equipments (Weather Proof) The power supply and the ethernet connectivity adaptor is stored in this box.						
	PTZ Pole						
	Kodigehalli Circle- Near Raj Mohan Theatre	2				2.00	
	Bullet Camera Pole						
	Muneshwara Block- Next to SWD	2				2.00	
	Tata Nagar - Vegetable Shop Junction	2				2.00	
	Harappa Layout Main Road-Golden Wines Junctions	2				2.00	
	Bajaj Layout Junction	2				2.00	
	Kodigehalli Hanumayya Badavane	2				2.00	
						12.00	**Nos.**

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

rements recorded on 3-7-2019

No	Description of item	No	L	B	D	Quantity	Remarks
	4 TB SATA for storage and fitted in the NVR Device for storage					**2.00**	**Nos**
	In Ward Office	2					

surement

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

rements recorded on 3-7-2019

No	Description of item	No	L	B	D	Quantity	Remarks
	A suitable sheet metal control panel to house site Equipments (Weather Proof) The power supply and the ethernet connectivity adaptor is stored in this box.						
	PTZ Pole						
	Kodigehalli Circle- Near Raj Mohan Theatre	2				2.00	
	Bullet Camera Pole						
	Muneshwara Block- Next to SWD	2				2.00	
	Tata Nagar - Vegetable Shop Junction	2				2.00	
	Harappa Layout Main Road-Golden Wines Junctions	2				2.00	
	Bajaj Layout Junction	2				2.00	
	Kodigehalli Hanumayya Badavane	2				2.00	
						12.00	**Nos.**

surement

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

rements recorded on 3-7-2019

No	Description of item	No	L	B	D	Quantity	Remarks
	Power supply for the camera.						
	PTZ Pole						
	Kodigehalli Circle- Near Raj Mohan Theatre	2				2.00	
	Bullet Camera Pole						
	Muneshwara Block- Next to SWD	2				2.00	
	Tata Nagar - Vegetable Shop Junction	2				2.00	
	Harappa Layout Main Road-Golden Wines Junctions	2				2.00	
	Bajaj Layout Junction	2				2.00	
	Kodigehalli Hanumayya Badavane	2				2.00	
						12.00	**Nos**

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

rements recorded on 3-7-19

No	Description of item	No	L	B	D	Quantity	Remarks
	Ethernet Switch for connectivity to Internet and Camera						
	PTZ Pole						
	Kodigehalli Circle- Near Raj Mohan Theatre	2				2.00	
	Bullet Camera Pole						
	Muneshwara Block- Next to SWD	2				2.00	
	Tata Nagar - Vegetable Shop Junction	2				2.00	
	Harappa Layout Main Road-Golden Wines Junctions	2				2.00	
	Bajaj Layout Junction	2				2.00	
	Kodigehalli Hanumayya Badavane	2				2.00	
						12.00	**Nos**

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

rements recorded on 3-7-19

No	Description of item	No	L	B	D	Quantity	Remarks
	Supply & Laying of Network and Power Cables from Camera to the control Box.						
	PTZ Pole						
	Kodigehalli Circle- Near Raj Mohan Theatre	1.5				1.50	
	Bullet Camera Pole						
	Muneshwara Block- Next to SWD	1.5				1.50	
	Tata Nagar - Vegetable Shop Junction	1.5				1.50	
	Harappa Layout Main Road-Golden Wines	1.5				1.50	
	Junctions						
	Bajaj Layout Junction	1.5				1.50	
	Kodigehalli Hanumayya Badavane	1.5				1.50	
						9.00	**Nos**

surement

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.

rements recorded on 3-7-19

No	Description of item	No	L	B	D	Quantity	Remarks
3	**Video Manager Application Software for Display and Management of Camera on Video Display**						
	PTZ Pole					1.00	
	Kodigehalli Circle- Near Raj Mohan Theatre	1					
	Bullet Camera Pole					1.00	
	Muneshwara Block- Next to SWD	1				1.00	
	Tata Nagar - Vegetable Shop Junction	1				1.00	
	Harappa Layout Main Road-Golden Wines Junctions	1				1.00	
	Bajaj Layout Junction	1				1.00	
	Kodigehalli Hanumayya Badavane	1				**6.00**	**Nos**

asurement

OF WORK:- Providing Basic Amenities and Procurement of Dustbins in

urements recorded on 2-7-17

No	Description of Item	No	I	II	III
9	**Installation, Erection & commissioning charges**				
	PTZ Pole				
	Kodigehalli Circle- Near Raj Mohan Theatre	1			
	Bullet Camera Pole				
	Muneshwara Block - Next to SWD	1			
	Tata Nagar - Vegetable Shop Junction	1			
	Harappa Layout Main Road-Golden Wines Junctions	1			
	Bajaj Layout Junction	1			
	Kodigehalli Hanumayya Badavane	1			

Dust Bins in Banglore City in

Name Of work : - Providing Modern Dust Bins in Banglore City in Ward No 8

ailed Measurement

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

Code :-

e of Agency :- K.BABU RAJU

No :-1st and Part Bill

e Of work : - Providing Modern Dust Bins in Banglore City in Ward No 8

surements Recorded On 21-10-2019

DQ / em	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
66	Modern Dust Bins (Data Rate)								10.00	
	Sahakaranagar Park Near Ganesh Temple		10							
								Total Quantity	**10.00**	

CONSULTANTS

Assistant Engineer

Assistant Executive Engi

Name of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

Bruhat Bangalore Mahanagara Palike
Bytarayanapura Division

ode :-
of Agency :- K.BABU RAJU
o :- First anf Part Bill
urements recorded on 17-06-2019
e of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
47	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 Page No. 5 / Item No. 2.3 of PWD SR 2016-17									
	Sahakaranagar									
	Compound Wall									
	Foundation									
	Long Wall		2	9.70			1.00	1.00	19.40	
	Short Wall		2	3.80			1.00	1.00	7.60	
							Total Quantity		**27.00**	**Cum**

CONSULTANTS

Assistant Engineer

Assistant Executive Engr
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.

Assistant Executive Engr

ailed Measurement

rements recorded on 17-05-2021

of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.12, Item No. 4.3 of PWD SR 2016-17									
	Sahakaranagar									
	Compound Wall									
	Foundation									
	Long Wall		2	9.70			1.00	0.15	2.91	
	Short Wall		2	3.80			1.00	0.15	1.14	
	Front Flooring									
			2	8.70			1.00	0.15	2.61	
			2	4.70			1.08	0.15	1.52	
							Total Quantity		**8.18**	**Cum**

CONSULTANTS

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divisi

Assistant Executive Engine

ailed Measurement

rements recorded on 19-06-2019

of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.6, PWD SR 2016-17									
	Sahakaranagar									
	Compound Wall									
	Foundation									
	First Coarse									
	Long Wall		2	9.30			0.60	0.45	5.02	
	Short Wall		2	4.20			0.60	0.45	2.27	
							Total Quantity		**7.29**	**Cum**

Assistant Engineer

Assistant Executive Engine
Kodigehalli Sub Divi

ailed Measurement

rements recorded on 19-05-2019

of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.9, PWD SR 2016-17									
	Sahakaranagar									
	Compound Wall									
	Foundation									
	Second Coarse									
	Long Wall		2	9.15			0.45	0.45	3.71	
	Short Wall		2	4.35			0.45	0.45	1.76	
							Total Quantity		**5.47**	**Cum**

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divis

etailed Measurement

urements recorded on 21-06-2019

of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.12, Item No. 4.6 PWD SR 2016-17									
	Sahakaranagar									
	Compound Wall									
	Foundation									
	Long Wall		2	9.15			0.45	0.10	0.82	
	Short Wall		2	4.35			0.45	0.10	0.39	
	Front Flooring									
			2	8.70			1.00	0.10	1.74	
			2	4.70			1.08	0.10	1.01	
							Total Quantity		**3.97**	**Cum**

CONSULTANTS

Assistant Engineer

urements recorded on 19-06-2019

of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
2	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications Page No. 113 / Item No. 15.1, PWD SR 2016-17									
	Sahakaranagar									
	Compound Wall									
	Foundation									
	Long Wall		4	9.15				0.45	16.47	
	Short Wall		4	4.35				0.45	7.83	
							Total Quantity		**24.30**	**Sqm**

CONSULTA...

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Detailed Measurement

Measurements recorded on 28-05-2019

Name of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
53	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 Page No. 25 / Item No. 5.26.2, PWD SR 2016-17									
	Sahakaranagar									
	Compound Wall		2	9.00				1.75	31.50	
			2	5.14				1.75	17.99	
	Deduction Opening		-2	0.60				1.75	-2.10	
							Total Quantity		**47.39**	**Sqm**

CAFR 13/11

Consultant

Assistant Engineer

Assistant Exceculive Engin

Assistant Executive Eng
Kodigehalli Sub Divis
Yelahanka Zone, B.B.

ailed Measurement

ements recorded on 28-06-2019

f Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114 / Item No. 15.17, PWD SR 2016-17 (Outside Wall)									
	Sahakaranagar									
	Inside Wall							1.75	63.00	
		2.00	2	9.00				1.75	35.98	
		2.00	2	5.14						
	Deduction Opening							1.75	-2.10	
			-2	0.60						
							Total Quantity		**96.88**	
							Quantity Limited to		**47.33**	**Sqm**

Assistant Engineer

Assistant Executive Engine

ailed Measurement

rements recorded on 28-06-2019

of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114, Item No. 15.21 of PWD SR 2016-17									
	Sahakaranagar									
	Ceiling Portion								2.00	
			1	2.00	1.00				2.50	
			1	2.00	1.25					
							Total Quantity		**4.50**	**Sqm**

Assistant Executive Engineer

ailed Measurement

ements recorded on 28-05-2019

f Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB15-3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 114, Item No. 15.21 of PWD SR 2016-17 (Inside Plastering)									
	Sahakaranagar									
	Inside Wall							1.20	2.16	
			1.00	1.80				1.00	1.65	
			1.00	1.65				**Total Quantity**	**3.81**	**Sqm**

CONSULTAN

Assistant Executive Engine

iled Measurement

ements recorded on 28-05-2019

f Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No. 115, Item No. 15.33, PWD SR 2016-17									
	Sahakaranagar				Quantity Vide Item No 65				4.50	
	Inside Wall				Quantity Vide Item No 66				3.81	
							Total Quantity		**8.31**	**Sqm**

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Executive En

ements recorded on 28-06-2019

f Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Page No. 117 / Item No. 15.49.1, PWD SR 2016-17									
	Sahakaranagar									
	Ceiling Portion			1	6.2	2.5			15.5	
				2	6.2			3	37.2	
	Inside wall			2	2.5			3	15	
									67.7	
	Deductions - For door Doors			0.5x2	-1.5			2.1	-3.15	
	Door 1			0.5x8	-0.75			2.1	-6.3	
	Ventilator			0.5x8	-0.6			0.45	-1.08	
									-10.53	
							Total Quantity		**57.17**	
							Quantity limited t		**50.01**	**Sqm**

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divi

iled Measurement

ements recorded on 28-06-2019

Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. Page No. 117 / Item No. 15.53.2, SR 2016-17									
	Sahakaranagar							3.75	43.13	
	Out Side		2	5.75				3.75	33.75	
			2	4.50						
	Compound Wall							1.75	63.00	
			4	9.00				1.75	35.98	
			4	5.14						
	Deductions - For door Doors							2.10	-3.15	
			0.5x2	-1.50				2.10	-6.30	
	Door 1		0.5x8	-0.75				0.45	-1.08	
	Ventilator		0.5x8	-0.60				Total Quantity	165.33	Sqm

Assistant Executive Engine

iled Measurement

ements recorded on 28-05-2019

f Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. Page No.106, Item No. 14.36.2, PWD SR 2016-17									
	Sahakaranagar		2	0.90	1.20				2.16	
	for flooring		2	1.20	1.00				2.40	
							Total Quantity		4.56	Sqm

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divisi

iled Measurement

ements recorded on 28-06-2019

f Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 15x15 cms 6mm thick Page No.106, Item No. 14.41.1 PWD SR 2016-17									
	Sahakaranagar							1.50	60.00	
			1	1.25				1.80	2.70	
			1	1.50				1.80	2.70	
			1	1.50					**65.40**	**Sqm**

CONSULTANTS

Assistant Engineer

Assistant Executive Engine
Kodigehalli Sub Div

iled Measurement

ements recorded on 28-06-2019

f Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	SOLID PVC DOOR FRAME Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size Page No. 56, Item No. 9.84, PWD SR 2016-17									
	Sahakaranagar		2	0.75				2.10	3.15	
							Total Quantity		3.15	Sqm

Assistant Engineer

Assistant Executive Engineer

iled Measurement

ements recorded on 28-05-2019

f Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges. Page No. 56, Item No. 9.83, PWD SR 2016-17									
	Sahakaranagar		2.00	0.75				2.10	3.15	
							Total Quantity		3.15	Sqm

Assistant Executive Engineer

Detailed Measurement

Measurements recorded on 28-05-2019

Name of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
74	SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges. Page No. 56, Item No. 9.83, PWD SR 2016-17									
								2.10	3.15	
	Sahakaranagar		2.00	0.75				Total Quantity	3.15	Sc

SRINIVAS CONSULTANTS

Detailed Measurement

Measurements recorded on 25-06-2019

Name of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
75	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.96, I.No. 13.86.2 of PWD SR 2016-17)									
			1	10					10.00	
			1	20					20.00	
			1	10					10.00	
								Total Quantity	**40.00**	**M**

Assistant Engineer

Assistant E
Kodigeh
Yelahank

Detailed Measurement

Measurements recorded on 28-06-2019

Name of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
76	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spat & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes (P.No.96, I.No. 13.86.3 of PWD SR 2016-17)									
			1	20.00					20.00	
			1	15.00					15.00	
								Total Quantity	**35.00**	**M**

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engineer
Yelahanka Zone

Detailed Measurement

Measurements recorded on 28-06-2019

Name of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
77	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.91/ I.No. 13.34 of CSR									
									10.0	
			10.00							
							Total Quantity		10.00	Each

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Excecutive

Assistant Execu

Kodigehalli S

Detailed Measurement

Measurements recorded on 28-06-2019

Name of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
78	KSRB13-8.5 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 140mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 Page No. 93,Item No. 13.70.6, PWD SR 2016-17								40.00	
			1	40.00					40.00	M
							Total Quantity		40.00	

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Assistant Engineer

Assistant Executive
Assistant Executive Engineer
Kodigehalli Sub

Detailed Measurement

Measurements recorded on 28-05-2019

Name of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
79	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455 x 610 mm and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS (P.No. 73/ I. No. 11.50 of PWD SR 2016-17)		4						4.00	
								Total Quantity	4.00	No's

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Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, BBMP

Detailed Measurement

surements recorded on 28-06-2019

ne of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

OQ m No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
80	KSRB 11-11.8 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660x460mm with a pair of 15mm C.P brass pillar taps with pair of elbow operated levers, C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. KBS 11 Page No. 81, Item No. 12.30, PWD SR 2016-17									
			2						2	
								Total Quantity	2.00	Unit

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Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone

ed Measurement

ments recorded on 28-06-2019

Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB13-6.1-3 : Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3. (P.No.91/ I.No. 13.25 of CSR 2016-17)									
			10						10.00	
								Total Quantity	10.00	Each

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive

Measurement

nts recorded on 28-06-2019

ork: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 77, I.No. 12.2 of PWD SR 2016-17)		2						2.00	
							Total Quantity	2.00	Pan

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, BBMP

Measurements recorded on 22-05-2019

Name of Work: Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remark
83	WSRB 13.11.1 : Providing and placing on terrace, polyethylene water storage tanks KSRB 13.11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) Specification No.KBS 13.22 Page No. 94, Item No. 13.78, PWD SR 2016-17									
			1						1	
							Total Quantity		1.00	No's

Name of the Work : Construction and Improvments of Toilet in Ward No 08

ed Measurement

Bruhat Bengaluru Mahanagara Palike
Bytarayanapura Division

Code :-
ne of Agency :- K.BABU RAJU
No :- First and Part Bill
asurements recorded on 17-05-2019
me Of work : - Construction and Improvments of Toilet in Ward No 08

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
100	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms).Item No 37.51 Page no.258									
	Toilet in Sahakaranagar		1	9.50			1.10	0.15	1.57	
			1	4.50			1.10	0.15	0.74	
								Total Quantity	**2.31**	**Sq-m**

Assistant Engineer

Assistant Executive
Kodigehalli Sub

ed Measurement

asurements recorded on 19-05-2017

ne Of work : - Construction and Improvments of Tiolet in Ward No 08

OQ m No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
47	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5(Page no. 5, Item no_2.3)									
	Sahakaranagar									
	Footing		9	1.40			1.40	1.50	26.46	
	Foundation									
	Long Wall		3	8.60			1.10	0.90	25.54	
	Short Wall		2	6.35			1.10	0.90	12.57	
	Tatanagar									
	Footing		4	1.40			1.40	1.50	11.76	
	Foundation									
	Long Wall		2	7.60			1.10	0.90	15.05	
	Short Wall		2	2.20			1.10	0.90	4.36	
								Total Quantity	95.74	
								Quantity Limited	32.87	Cu-m

Assistant Engineer

Assistant Executive
Kodigehalli Sub D

d Measurement

surements recorded on 19-06-2019

e Of work : - Construction and Improvments of Tiolet in Ward No 08

DQ n No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
02	KSRB 2.14-1: Extra for additional lift of 1.5m. or part there of for excavation In loose / soft or hard soil including cost of materials, labour complete as per specifications (Page no. 7, item no. 2.21).									
	Sahakaranagar									
	Footing		9	1.40			1.40	0.80	14.11	
	Tatanagar									
	Footing		4	1.40			1.40	0.80	6.27	
								Total Quantity	**20.38**	**Cu-m**

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive
Kodigehalli Sub D

d Measurement

surements recorded on 19-05-2019

e Of work : - Construction and Improvments of Tiolet in Ward No 08

DQ / n No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
103	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications (Page no. 12, Item no. 4.2).									
	Sahakaranagar									
	Footing		9	1.40			1.40	0.15	2.65	
	Foundation									
	Long Wall		3	8.60			1.10	0.10	2.84	
	Short Wall		2	6.35			1.10	0.10	1.40	
	Flooring		1	7.30			7.35	0.15	8.05	
	(-) Deduction of Column		-9	0.15			0.40	0.15	-0.08	
	Tatanagar									
	Footing		4	1.40			1.40	0.15	1.18	
	Foundation									
	Long Wall		2	7.30			1.10	0.10	1.61	
	Short Wall		2	2.20			1.10	0.10	0.48	
	Flooring		1	3.00			6.00	0.15	2.70	
	(-) Deduction of Column		-4	0.15			0.40	0.15	-0.04	
								Total Quantity	20.78	
								Quantity Limited	18.46	Cu-m

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, BBMP

ed Measurement

Measurements recorded on 25-05-2019

Name Of work : - Construction and Improvments of Tiolet in Ward No 08

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
104	KSRB 5.1-3 : Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6 (uncoursed), bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.12(Page no. 22, Item no. 5.3).									
	Sahakaranagar									
	Foundation									
	First Coarse									
	Long Wall		3	8.60			0.90	0.60	13.93	
	Short Wall		2	6.35			0.90	0.45	5.14	
	Second Coarse									
	Long Wall		2	8.60			0.90	0.45	6.97	
	Short Wall		2	6.35			0.90	0.45	5.14	
	(-) Deduction of Column		-9	0.15			0.40	0.90	-0.49	
	Tatanagar									
	Foundation									
	First Coarse									
	Long Wall		2	7.30			0.90	0.45	5.91	
	Short Wall		2	2.20			0.90	0.45	1.78	
	Second Coarse									
	Long Wall		2	7.30			0.60	0.45	3.94	
	Short Wall		2	2.20			0.60	0.45	1.19	
	(-) Deduction of Column		-4	0.15			0.40	0.90	-0.22	
								Total Quantity	**43.31**	**Cu-m**

Consultant

Assistant Engineer

Assistant Executive E
Kodigehalli Sub Div
Yelahanka Zone, B.B
Bangalore.

Measurement

urements recorded on 26-6-2019

e Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
50	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13(Page no.23, Item no. 5.3)									
	Sahakaranagar									
	Foundation							0.45	0.45	5.22
	Third Coarse							0.45	0.45	2.57
	Long Wall		3	8.60						
	Short Wall		2	6.35				0.40	0.90	-0.49
	(-) Deduction of Column		-9	0.15						7.30
	Tatanagar									
	Foundation							0.45	0.45	2.96
	Third Coarse		2.00	7.30				0.45	0.45	0.89
	Long Wall		2.00	2.20				0.45	0.23	-0.06
	Short Wall		-4.00	0.15					**Total Quantity**	**11.10** Cu-m
	(-) Deduction of Column									

Assistant Engineer

Assistant Executive E
Kodigehalli Sub D
Yelahanka Zone, B

Measurement

rements recorded on 26-06-2019

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.									
	Sahakaranagar									
	Pointing									
	First Coarse									
		Long Wall		3.00	8.60			0.60	15.48	
		Short Wall		2.00	6.35			0.45	5.72	
	Second Coarse									
		Long Wall		2.00	8.60			0.45	7.74	
		Short Wall		2.00	6.35			0.45	5.72	
	Third Coarse									
		Long Wall		3.00	8.60			0.45	11.61	
		Short Wall		2.00	6.35			0.45	5.72	
	(-) Deduction of Column			-9.00	0.15			0.90	-1.22	
									50.77	
	Tatanagar									
	Pointing									
	First Coarse									
		Long Wall		2.00	7.30			0.45	6.57	
		Short Wall		2.00	2.20			0.45	1.98	
	Second Coarse									
		Long Wall		2.00	7.30			0.45	6.57	
		Short Wall		2.00	2.20			0.45	1.98	
	Third Coarse									
		Long Wall		2.00	7.30			0.45	6.57	
		Short Wall		2.00	2.20			0.45	1.98	
	(-) Deduction of Column			-4.00	0.15			0.90	-0.54	
								Total Quantity	**75.87**	**Sq-m**

Assistant Engineer

Assistant Executive
Kodigehalli Sub
Yelahanka Zone

d Measurement

urements recorded on 21-06-2019

e Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
05	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page no. 15, Item no.4.28)									
	sahakarnagar							0.50	21.60	
	Footings		9.00	4.80						
	Tatanagar							0.50	9.60	
	Footing		4.00	4.80						
								Total Quantity	31.20	Sq-m

Assistant Engineer

Assistant Executi

Assistant E
Kodigehalli Sub Divi
Yelahanka Zone, B.B

d Measurement

urements recorded on 27/6/19 30/6/19 10/7/19 12/7/19

e Of work : - Construction and Improvments of Tiolet in Ward No 08

DQ / n No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
06	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page no. 16, Item no.4.32)									
	sahakarnagar									
	columns									
	Below Ground Level		9	1.10				1.30	12.87	
	Above Ground Level		9	1.10				3.00	29.70	
	Terrace		9	1.10				0.90	8.91	
	Tatanagar									
	Column									
	Below Ground Level		4	1.10				1.30	5.72	
	Above Ground Level		4	1.10				3.00	13.20	
	Terrace		4	1.10				0.90	3.96	
								Total Quantity	74.36	**Sq-m**

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive E

Kodigehalli Sub Di

d Measurement

urements recorded on 4/7/19, 7/2/19

e Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
107	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page no.16, Item no. 4.31)									
	sahakarnagar							0.30	37.96	
	Plinth Beam	1	2	63.26						
	Tatanagar							0.30	11.40	
	Plinth Beam	1	2	19.00						
								Total Quantity	**49.36**	**Sq-m**

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive E
Kodigehalli Sub Div
Yelahanka Zone, B.B

easurement

ements recorded on 20/2/12

f work : - Construction and Improvments of Tiolet in Ward No 08

lo	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. Specification No. KBS 4.6.2(Page No :15, Item No : 4.18)									
	Sahakarnagar								73.96	
	Roof slab	1	1	8.60			8.60			
	Tatanagar								21.45	
	Roof Slab	1	1	6.50			3.30			
								Total Quantity	95.41	Sq-m

Assistant Engineer

Assistant Executive
Kodigehalli Sub Div
Yelahanka Zone, B.B

ements recorded on 25.2.17

Of work : - Construction and Improvments of Toilet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(page no.16,item no 4.34)									
	Sahakarnagar							0.20	16.02	
	Lintel	2.00	1	40.06				0.35	18.06	
	Roof Beam	2.00	1	25.80						
	Tatanagar							0.20	15.22	
	Lintel	2.00	1	38.06				0.30	11.40	
	Roof Beam	2.00	1.00	19.00				Total Quantity	60.71	Sq m

Measurement

rements recorded on 20/2/19

Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(page no.16,item no 4.34)									
	Sahakarnagar									
	Lintel	2.00	1	40.06				0.20	16.02	
	Roof Beam	2.00	1	25.80				0.35	18.06	
	Tatanagar									
	Lintel	2.00	1	38.06				0.20	15.22	
	Roof Beam	2.00	1.00	19.00				0.30	11.40	
								Total Quantity	60.71	Sq-m

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engineer

Measurement

20/6/19, 28/6/19, 1/7/19, 5/7/19, 8/7/19, 11/7/19, 12/7/19

rements recorded on

Of work : - Construction and Improvments of Tiolet in Ward No 08

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460cum, with super plasticiser @n3 ltr confirming to IS9103-1999 Reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6(page no.13,item no.4.11)									
	Sahakarnagar									
	Footings		9	1.20			1.20	0.60	7.78	
	Columns									
	Below Ground Level		9	0.15			0.40	1.30	0.70	
	Above Ground Level		9	0.15			0.40	3.00	1.62	
	PlinthBeam		1	63.26			0.20	0.30	3.80	
	Tatanagar									
	Footing									
			4.00	1.20			1.20	0.60	3.46	
	Column									
	Below Ground Level		4.00	0.15			0.40	1.30	0.31	
	Plinth Beam									
			1.00	19.00			0.20	0.30	1.14	
	Column									
	Above Ground Level		4.00	0.15			0.40	3.00	0.72	
								Total Quantity	**19.52**	
								Quantity Limited to	**19.50**	**Cu-m**

TEJUS CONSULTANTS

Assistant Executive Engineer

easurement

ments recorded on 20/2/19

f work : - Construction and Improvments of Tiolet in Ward No 08

Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (P. No. 14/ I.No. 4.13)									
Sahakarnagar									
Roof slab		1	8.60			8.60	0.15	11.09	
Lintel		1	40.06			0.20	0.20	1.60	
Slab Projection Front		1.00	7.50			0.90	0.15	1.01	
Slab Projection Side		2.00	7.45			0.40	0.15	0.89	
Tatanagar									
Lintel		1.00	19.00			0.20	0.20	0.76	
Roof Slab		1.00	6.50			3.30	0.15	3.22	
Slab Projection		1.00	6.50			0.60	0.15	0.59	
							Total Quantity	19.17	
							Total Quantity	17.95	Cu-m

Assistant Engineer

Assistant Executive Engineer

Measurement

rements recorded on 21/6/19, 22/6/19, 2/2/19, 6/2/19

Of work : - Construction and Improvments of Tiolet in Ward No 08

SQ No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500(page no.17,item no:4.46.2)									
	Sahakaranagar									
	Footings									
	Main Bars									
	16 mm Ø Bars	9	12.00				1.58		170.67	
	Distribution Bars									
	16 mm Ø Bars	9	12.00				1.58		170.67	
	Columns									
	Main Bars									
	16 mm Ø Bars	9	4	4.30			1.58		244.62	
	12 mm Ø Bars	9	2	4.30			0.89		68.80	
	Distribution Bars									
	10 mm Ø Bars	9	43.00	1.30			0.62		310.56	
	Plinth Beam									
	Main Bars									
	16 mm Ø Bottom bars	1	2	63.26			1.58		199.93	
	12 mm Ø top Bars	1	2	63.26			0.89		112.46	
	Distribution Bars									
	10 mm Ø Bars	1	633.00	1.20			0.62		468.89	
	Lintel									
	Main Bars									
	10 mm Ø Top bars	1	2	40.06			0.62		49.46	
	10 mm Ø Bottom bars	1	2	40.06			0.62		49.46	
	Distribution Bars									
	10 mm Ø bars	1	2	40.06			0.62		49.46	
	Roof Beam									
	Main Bars									
	16 mm ø Bottom bars	1	2	63.26			1.58		199.93	
	12 mm ø Top Bars	1	2	63.26			0.89		112.46	
	Distribution Bars									
	10 mm Ø Bars	1	633.00	1.20			0.62		468.89	
	Roof Slab									
	Main Bars									
	12 mm Ø Bars	1	86.00	8.60			0.89		657.42	
	Distribution Bars									
	12 mm Ø Bars	4	86.00	8.60			0.89		2,629.69	
	Tatanagar									
	Footings									
	Main Bars									
	16 mm Ø Bars	4.00	12.00					1.58	75.85	
	Distribution Bars									
	16 mm Ø Bars	4.00	12.00					1.58	75.85	

Assistant Engineer

Assistant Executive Engineer

d Measurement

urements recorded on

e Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Columns								1982.10	
	Main Bars							1.58	131.48	
	16 mm Ø Bars	4	4	5.20				0.89	36.98	
	12 mm Ø Bars	4.00	2.00	5.20						
	Distribution Bars							0.62	166.91	
	10 mm Ø Bars	4.00	52.00	1.30						
	Plinth Beam									
	Main Bars							1.58	61.95	
	16 mm Ø Top bars	1.00	2.00	19.60				0.89	34.84	
	12 mm Ø Bottom Bars	1.00	2.00	19.60						
	Distribution Bars							0.62	145.19	
	10 mm Ø Bars	1.00	196.00	1.20						
	Lintel									
	Main Bars							0.62	24.20	
	10 mm Ø Top bars	1.00	2.00	19.60				0.62	24.20	
	10 mm Ø Bottom bars	1.00	2.00	19.60						
	Distribution Bars							0.62	24.20	
	10 mm Ø bars	1.00	2.00	19.60						
	Roof Beam									
	Main Bars							1.58	61.95	
	16 mm Ø Top bars	1.00	2.00	19.60				0.89	34.84	
	12 mm Ø Bottom Bars	1.00	2.00	19.60						
	Distribution Bars							0.62	145.19	
	10 mm Ø Bars	1.00	196.00	1.20						
	Roof Slab									
	Main Bars							0.89	57.78	
	12 mm Ø Bars	1.00	65.00	3.90						
	Distribution Bars							0.89	138.67	
	12 mm Ø Bars	4.00	39.00	6.50					7,203.42	
								Total Quantity	7.20	**Tonne**

6mm 1392.90 × 1.58 = 2200.782

8mm 3883.94 × 0.89 = 3456.70

10mm 1926.61 × 0.62 = 1194.50

6851.98

7203.45

Assistant Engineer

Assistant Executive Engineer

urements recorded on 28-6-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
2	KSRB 2.3; Filling availabla excvavated earth in sides of foundations upto plinth in layers not exceeding 20cms in depth caompacting each deposited layer by ramming after watering with lead upto 50 m and lift upto1.5.including cost of all labour compleet as perspecification.specification no.KBS(page no.6,item no:2.10)									
	Sahakarnagar									
	Around the footings	1.00	9	1.40			1.40	0.90	15.88	
	Tatanagar									
	Around the Footings	1.00	4.00	1.40			1.40	0.90	7.06	
							Total Quantity		**22.93**	**Cu-m**

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer
Kadirshall Sub Division

Measurement

rements recorded on 16-2-19, 17-2-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 5-11 : Providing and constructing load bearing wall with cement concrete cavities blocks (hollow blocks) of size 400x200x200 mm Grade B having a minimum face shell thickness of 30mm and web thickness of 25mm with block density between 1100 kg/m3 and 1500 kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4									
	Sahakaranagar									
	walls	1	1	38.20				2.70	103.14	
	Deduction for openings						-			
	Door D1	2	-1	1.20				2.10	-5.04	
	Door D2	1	-1	0.9				1.85	-1.67	
	ventilators	1	-1	0.60				0.60	-0.36	
	openingsfor ventilatars	1	-4	3.20.				0.30	-3.84	
	Tatanagar									
	Long Walls		2.00	6.50				2.70	35.10	
	Short Walls		2.00	3.00				2.70	16.20	
	Deduction For Openings (-)									
	Doors		-1.00	0.90				2.10	-1.89	
	Venilators		-6.00	0.60				0.40	-1.44	
								Total Quantity	140.21	
								Quantity Limited to	136.12	Sq-m

REJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engineer

Measurement

rements recorded on 16-7-19, 17-7-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
4	KSRB 5-11 : Providing and constructing load bearing wall with cement concrete cavities blocks (hollow blocks) of size 400x150x200 mm having block density not less than 1800 kg/m3 and having a minimum average compressive strength of 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(page no.25)									
	Sahakarnagar									
	internal wall	1	1	29.90				2.00	59.80	
	deduction for openings									
	Door D2	1	9	-0.60				1.90	-10.26	
	Parapet Walls		1.00	33.10				0.60	19.86	
	Tatanagar									
	Internals Walls		4.00	2.00				2.10	16.80	
	Parapet Walls		1.00	19.60				0.40	7.84	
	Door D2	1	5	-0.75				1.90	-7.13	
								Total Quantity	86.92	Sq-m

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

ements recorded on 19-2-19

f work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(page no.114,item no:15.20)									
	External plaster							2.70	103.14	
	Toilet 1 in sahakarnagar		1	38.2				0.60	19.20	
	Projection slab	2.00	1.00	16.00						
	Tatanagar							2.70	52.92	
	Outer Walls	1.00	1.00	19.60				0.60	7.80	
	Projection slab	2.00	1.00	6.50				0.50	19.60	
	Parapet Wall	2.00	1.00	19.60						
	Deduction For Openings (-)							2.10	-1.89	
	Doors		-1.00	0.90				0.40	-1.44	
	Venilators		-6.00	0.60				**Total Quantity**	199.33	Sq-m

Assistant Engineer

Assistant Executive Engineer

ed Measurement

urements recorded on 20-7-19

e Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
5	KSRB15-3.4 : Providing 15mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(page no.113,item no.15.12)									
	Internal plastering									
	Toilet 1 in sahakarnagar									
	Walls	1	2	7.35				2.70	39.69	
		1	2	7.30				2.70	39.42	
		1	2	7.30				2.70	39.42	
	Internal plastering									
			2	7.40				2.10	31.08	
			2	2.50				2.10	10.5	
			2	2.50				2.10	10.5	
			2	4.00				2.10	16.8	
			2	4.80				2.10	20.16	
			2	4.90				2.10	20.58	
			2	2.60				2.10	10.92	
			2	1.20				2.10	5.04	
	Deduction for opening									
	Door D1	2	-1	1.2				2.10	-5.04	
	Door D2	1	-1	0.9				1.85	-1.67	
	Ventilatars	1	-1	0.6				0.60	-0.36	
	opening for ventilation	1	-4	3.2				0.30	-3.84	
	Tatanagar									
	Outer Walls	1.00	1.00	19.60				2.70	52.92	
	Internals Walls	2.00	4.00	2.00				2.10	33.60	
	Deduction For Openings (-)									
	Doors		-1.00	0.90				2.10	-1.89	
	Venilators		-6.00	0.60				0.40	-1.44	
								Total Quantity	316.40	Sq-m

Assistant Engineer

Assistant Executive Engineer

d Measurement

urements recorded on 20-2-19

e Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
6	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No. 113, I.No. 15.21 of PWD SR 2015-16)									
	Sahakaranagar									
	Ceiling	1	1	8.6			8.6		73.96	
	Tatanagar									
	Ceiling									
		1	1	6.00			3.00		18.00	
								Total Quantity	91.96	Sq-m

Assistant Engineer

Assistant Executive Engineer

d Measurement

urements recorded on 21-9-19

Of work : - Construction and Improvments of Toilet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
7	KSRB 15.10.2 Providing white washing for every one additional coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.									
	Same as internal plastering qty				Quantity Vide Item No 115				316.40	
								Total Quantity	316.40	Sq-m

TEJUS CONSULTANTS

Assistant Executive Engr

ed Measurement

surements recorded on 21-8-19

e Of work : - Construction and Improvments of Toilet in Ward No 08

DQ / n No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
18	KSRB 15.10.4 Providing white washing to ceiling and / or sloping roof surface with additional one coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.(page no.115,item no.15.41)									
									91.96	
	same as cealing qty				Quantity Vide Item No 116					
								Total Quantity	91.96	Sq-m

Assistant Executive En

Measurement

urements recorded on 21-8-19

Of work : - Construction and Improvments of Toilet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
9	KSRB 15-16.1: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 117, I.No. 15.53.2 of SR 2015-16).								199.33	
	Same as external qty				Quantity Vide Item No 66					
								Total Quantity	199.33	Sq-m

Assistant Engineer

Assistant Executive Engineer

d Measurement

urements recorded on 24-8-19

Of work : - Construction and Improvments of Toilet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
0	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. (P. No. 116, I.No. 15.51.2 of SR 2015-16).									
	same as inernal plastering				Quantity Vide Item No 115				316.40	
								Total Quantity	316.40	
								Quantity Limited to	235.58	Sq-m

Assistant Executive Engineer

Measurement

ements recorded on 28-8-18

Of work : - Construction and Improvments of Toilet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including priming,including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. (P. No. 117, I.No. 15.51.2 .2&3).for cealing									
	same as cealing plastering				Quantity Vide Item No 116				91.96	
								Total Quantity	91.96	Sq-m

Assistant Executive Engin

ed Measurement

surements recorded on 21-8-19

e Of work : - Construction and Improvments of Toilet in Ward No 08

DQ / n No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
51	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PWD SR 2015-16)									
	Flooring									
	Tatanagar	1	1	7.6	7.6			0.15	8.664	
	Sahakaranagar	1	1	8.9	3.6			0.15	4.806	
	Sahakaranagar Front Portion	1	1	4.75	3.6			0.15	2.565	
								Total Quantity	16.04	Cum

13/11

Assistant Engineer

Assistant Executive Engineer

Measurement

ements recorded on 21-8-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles 400 x 400mm on a bed of 20mm thick (Page No : 106, item No :14.36.3)									
	Sahakaranagar Tiolet									
	Gents Tiolet							7.30	29.20	
			1	4.00						
	Ladies Tiolet							7.30	18.98	
			1	2.60				7.65	16.83	
	Front Tiles		1	2.20						
	Tatanagar Tiolet							6.00	18.00	
			1	3.00						
								Total Quanti	83.01	**Sqm**

Assistant Engineer

Assistant Executive Engineer

Measurement

ements recorded on 21-8-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

lo	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. (P.No.106, I.No. 14.36.2 of PWD SR 2015-16)									
	internal dadoing							1.50	57.3	
	walls	1	1	38.2						
	deduction for opening s							1.35	-3.24	
	Door D1	2	-1	1.2				1.35	-1.215	
	Door D2	1	-1	0.9				0.60	-0.36	
	ventilaters	1	-1	0.6						
	Toilet 2 in tatanagar							1.35	107.73	
	wall	1	2	39.9						
	deduction for openings							1.35	-2.43	
	Door D1	2	-1	0.9				1.35	-4.05	
	Door D2	4	-1	0.75						
	toilet tatanagar park.							1.35	79.92	
	internal walls	1	2	29.6						
	deduction for opening s							1.50	-2.7	
	Door D1	2	-1	0.9				1.50	-4.5	
	Door D2	4	-1	0.75				1.80	6.12	
	front side	1	1	3.4				Total Quanti	232.58	Sqm

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engineer

Measurement

ements recorded on 2-8-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm and jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface , including the cost of all material and labours etc, complete as per specifications. using silver grey granite/multy red/ruby red/black/hassan green granite of width not less than							1.20	9.72	Sqm
	For urinals		9.00	0.90	-					

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engineer

Measurement

rements recorded on 21-9-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. (P.No. 32, I.No. 7.9 of									
	toilet 1in sahakarnagara	1	6	0.6				0.60	2.16	
	grill for ventilation	1	4	3.20				0.30	3.84	
		1	2	4.30				0.15	1.29	
	toilet 2 in tatanagar	1	5	0.60				0.60	1.8	
	toilet tatanagar park	1	5	0.60				0.60	1.8	
	windows	1	3	1.20				1.20	4.32	
	at 21kgs/sqm								319.41	
								Total Quantity	319.41	kgs

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engineer

leasurement

ements recorded on 21-8-19

f work : - Construction and Improvments of Tiolet in Ward No 08

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 (pn 48, slno 9.11 of PWD SR 2016-17)									
	internal doors D1	cum	2.00	6.40	0.10			0.13	0.16	
								Total Quantity	0.16	cum

Assistant Engineer

Assistant Executive Engineer

ements recorded on 21-8-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 (P.no 48,									
	internals doors D1	sqm	2.00	1.00				2.10	4.20	
								Total Quantity	4.20	sqm

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Measurement

Measurements recorded on 21-8-19

Name Of work : - Construction and Improvments of Tiolet in Ward No 08

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
128	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original									
	toilet 1in sahakarnagara		5.00	0.60				0.60	1.80	
	toilet 2 in tatnagar		5.00	0.60				0.60	1.80	
	toilet tatanagar park		5.00	0.60				0.60	1.80	
	grill for ventilation		4.00	3.20				0.30	3.84	
	windows		3.00	1.20				1.20	4.32	
								Total Quantity	13.56	sqm

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engine
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

Measurement

ements recorded on 21-2-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

lo	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	SOLID PANEL PRELAM PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for styles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form styles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the styles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75mm. Aluminium hinges.									
	PVsc doors for toilet 1		9.00	0.60				1.80	9.72	
	PVsc doors for toilet 2		5.00	0.75				1.80	6.75	
	PVsc doors for toilet 3		5.00	0.75				1.80	6.75	
								Total Quantity	23.22	sqm

Consultant

Assistant Engineer

Assistant Executive Engineer
Kattigehalli Sub Division
Yelahanka Zone, B.B.M.P.

Measurement

ements recorded on 21-8-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

lo	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	SOLID PVC DOOR FRAME Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge.									
	PVsc doors for toilet 1	sqm	9.00	0.60				1.80	9.72	
	PVsc doors for toilet 2		5.00	0.65				1.80	5.85	
	PVsc doors for toilet 2		5.00	0.65				1.80	5.85	
								Total Quantity	21.42	sqm

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divi

easurement

ments recorded on 21-8-19

f work : - Construction and Improvments of Toilet in Ward No 08

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity) Specification No.KBS 13.22(P.no.96, I.no.13.86.2 of PWD SR 2016-17)									
		1.00	2.00						2.00	
								Total Quantity	2.00	each

Assistant Engineer

Assistant Executive Engine

Assistant Executive Engine
Madigshalli Sub Division

Measurement

rements recorded on 21-8-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.96, I.No. 13.86.2 of PWD SR 2015-16)									
									160.00	
	20 mm normal OD pipes	2.00	80.00						160.00	m

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurement

rements recorded on 21-8-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes								160.00	
	25mm nominal OD pipes	2.00	80.00					Total Quantity	160.00	m

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

easurement

ments recorded on 21-9-19

work : - Construction and Improvments of Tiolet in Ward No 08

Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
KSRB13-8.5 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 90mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9(P.no. 94. I.no.13.70.4 of PW, P&IWTD SR 2016-17)									
								70.00	
110mm outer dia	2.00	70.00						70.00	m

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M

tailed Measurement

Measurements recorded on 21-8-19										
Name Of work : - Construction and Improvments of Toilet in Ward No 08										
BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
84	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (P.No.82, I.No. 12.41 of PWD SR 2016-17)								3.00	
			3.00					Total Quantity	3.00	m

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Div
Yelahanka Zone, B.B.M.P.
Bangalore.

etailed Measurement

Measurements recorded on 21-8-19										
Name Of work : - Construction and Improvments of Toilet in Ward No 08										
BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
131	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No. 88, I.No. 12.111 of PWD SR 2016-17)								10.00	
			10.00					Total Quantity	10.00	m

Consultant

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Eng
Kodigehalli Sub Divis
Yelahanka Zone, B.B.
Bangalore.

etailed Measurement

Measurements recorded on 21-8-19

Name Of work : - Construction and Improvments of Toilet in Ward No 08

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
132	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms (P.no.88, I.no.12.113.1 of PWD SR 2016-17)								10.00	
			10.00					Total Quantity	10.00	each

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

d Measurement

urements recorded on 21-8-19

Of work : - Construction and Improvments of Toilet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
33	KSRB13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3. (P.No.91/ I.No. 13.24 of PWD SR 2016-17)								6.00	
	Tatanagar	1.00	6.00						19.00	
	Sahakaranagar	1.00	19.00					Total Quantity	25.00	each

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurement

urements recorded on 21-9-19

Of work : - Construction and Improvments of Toilet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
34	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.91/ I.No. 13.34 of PWD SR 2016-17)								5.00	
	Tatanagar	1.00	5.00						15.00	
	Sahakaranagar	1.00	15.00						20.00	each

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divisio

Measurement

urements recorded on 21-8-19

Of work : - Construction and Improvments of Toilet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
35	KSRB13-6.3-2 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3 (P.No. 91, I.No. 13.33 of CSR 2016-17)									
									6.00	
	Tatanagar	1.00	6.00						19.00	
	Sahakaranagar	1.00	19.00					Total Quantity	25.00	each

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

Measurement

rements recorded on 21-9-19

Of work : - Construction and Improvments of Toilet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
6	Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges,								6.00	
		1.00	6.00					Total Quantity	6.00	NOS

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurement

rements recorded on 21-8-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
7	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No.								6.00	
		1.00	6.00						6.00	

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Sub Division.

leasurement

ements recorded on 21-8-19

f work : - Construction and Improvments of Toilet in Ward No 08

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 11-7.4 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of four with 10 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11(P.no.77, I.no.12.2 of PWD SR 2015-16)								4.00	
			4.00					Total Quantity	4.00	each

Assistant Engineer

Assistant Executive Engineer

etailed Measurement

Measurements recorded on 21-8-19										
Name Of work : - Construction and Improvments of Toilet in Ward No 08										
BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
140	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11(P.no.80, I.no.12.23 of CSR 2016-17)									
	Sahakaranagar		2.00						2.00	
	Tatanagar		1.00						1.00	
								Total Quantity	3.00	each
	BORE WELL									

TRIUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Enginee

Assistant Executive Engine
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.

Measurement

rements recorded on 3-10-2019 BILL WORKS

Of work : - Construction and Improvments of Toilet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
3	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour								1.00	
	Near Rmv Cluster Appartment		1						1.00	
	Govt School Road Near Chodeshwari Traders		1							
								Total Quantity	2.00	Each BW

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Div
Yelahanka Zone, B.B.M.P

Measurement

ements recorded on 3-10-19

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) P. 46 / I. 9.1 PRED SR 2012-13									
	0 to 50 m								50.00	
	Near Rmv Cluster Apartment		1	50.00					50.00	
	Govt School Road		1	50.00					100.00	Rmtr
145	**50 to 100 m**								50.00	
	Near Rmv Cluster Apartment		1	50.00					50.00	
	Govt School Road		1	50.00					100.00	Rmtr
146	**100 to 150 m**								50.00	
	Near Rmv Cluster Apartment		1	50.00					50.00	
	Govt School Road		1	50.00					100.00	Rmtr
147	**150 to 200 m**								50.00	
	Near Rmv Cluster Apartment		1	50.00					50.00	
	Govt School Road		1	50.00					100.00	Rmtr
148	**200 to 260 m**								60.00	
	Near Rmv Cluster Apartment		1	60.00					60.00	
	Govt School Road		1	60.00					120.00	Rmtr

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

13/10

Measurement

ements recorded on 3-10-2019

Of work : - Construction and Improvments of Tiolet in Ward No 08

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty P. iii, I No. 84 PRED SR 2012-13									
	Near Rmv Cluster Apartment		1	50					50.00	
	Govt School Road		1	50					50.00	
									100.00	

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kadigobalu Sub Division,

easurement

ments recorded on 3-10-2019

f work : - Construction and Improvments of Tiolet in Ward No 08

Description	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
Chainage									
providing 250mm dia pvc pipe 6kg/cm se PRED approved rate								18.00	
Near Rmv Cluster Apartment		1	18					18.00	
Govt School Road		1	18					36.00	rmtr

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Div. Bio

Measurement

rements recorded on 31-10-2019

Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
0	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps PWD SR 2016-17 P. XXXXII Item No. 24									
	17.5HP 30 stage								1.00	
	Near Rmv Cluster Apartment		1						1.00	
	Govt School Road		1						2.00	nos

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Divisi
Zone, B.B.M

Measurement

rements recorded on 20-12-2014

Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	providing and fixing 160mm borewell cap I no 85								1.00	
	Near Rmv Cluster Apartment		1						1.00	
	Govt School Road		1						2.00	Each

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Divisi

Measurement

rements recorded on 30/10/19

Of work : - Construction and Improvments of Toilet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Supplying of ISI marked galvanized mild steel tube contineously welded electric resistance welded(ERW) high frequency induction welded (HFIW) hot finished welded type of nominal bore given below, screwed at both end as per IS554/1996 with latest amendments, pipes threafts at one end and the other end protected as per specifications in random lenghts of 4 to 7 m confirming to IS 1239 part1/1990with amentments 1-5 with all its latest amendements if any.the pipe supplied should be with BIS mark no 3/08-09 2406/ 15-10-2019									
									250.00	
	Near Rmv Cluster Apartment		1	250					250.00	
	Govt School Road		1	250					500.00	mtr

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Measurement

ements recorded on 30/10/19

f work : - Construction and Improvments of Tiolet in Ward No 08

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Heavy duty callar 50 mm dia									
	Near Rmv Cluster Apartment		1	42					42.00	
	Govt School Road		1	46					46.00	
									88.00	nos

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

Measurement

rements recorded on 30/8/19

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 6 Sqm mm KPWD Electrical SR 2014-15									
	Near Rmv Cluster Apartment		1	255					255.00	
	Govt School Road		1	255					255.00	
									510.00	mtr

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Div

Measurement

ements recorded on 20-10-2019

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) (As per rate approved KUWS & DB for year 2008-09									
	Near Rmv Cluster Apartment		1						1.00	
	Govt School Road		1						1.00	
									2.00	no

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engine
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P

Assistant Executive Engineer

Measurement

rements recorded on 30-10-2019

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P No. 44 / I No. 6.6.6 KPWD Electrical SR 2014-15									
	Near Rmv Cluster Apartment		1						1.00	
	Govt School Road		1						1.00	
									2.00	Each

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, BBMP

Measurement

rements recorded on 30-10-2019

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15									
	Near Rmv Cluster Apartment		1	30					30.00	
	Govt School Road		1	30					30.00	
									60.00	mtr

TEJUS CONSULTANTS

Consultant

Assistant Engineer

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Assistant Executive Engi

easurement

ments recorded on 30-10-2019

f work : - Construction and Improvments of Tiolet in Ward No 08

Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15								30.00	
Near Rmv Cluster Apartment		1	30					30.00	
Govt School Road		1	30					60.00	mtr

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engin

Kodigehalli Sub Divisio

Yelahanka Zo

Measurement

rements recorded on 30-10-2019

Of work : - Construction and Improvments of Tiolet in Ward No 08

lo	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15									
	40mm dia GI pipe								4.00	
	Near Rmv Cluster Apartment		1	4					4.00	
	Govt School Road		1	4					8.00	mtr

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engi
Kodigehalli Sub Divisi

easurement

nents recorded on 30-10-2019

work : - Construction and Improvments of Tiolet in Ward No 08

Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15									
for cutting road surface								25.00	
Near Rmv Cluster Apartment		1	25					25.00	
Govt School Road		1	25					50.00	mtr
		2	25.00						

CONSULTANT

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

easurement

ments recorded on 30-10-2019

work : - Construction and Improvments of Tiolet in Ward No 08

Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
supplying and fixing L T cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumin-/insulating compound complete with terminals ,clamps, bolts,nuts, washers etc.. pg no 62/I.No 7.13.2 KPWD Electrical SR 2014-15.									
16sqmm								1.00	
Near Rmv Cluster Apartment		1						1.00	
Govt School Road		1						2.00	no

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Div

easurement

ments recorded on 30-10-2019

f work : - Construction and Improvments of Tiolet in Ward No 08

Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, (P No. 55, I No. 7.1) KPWD Electrical SR 2014-15								1.00	
Near Rmv Cluster Apartment		1						1.00	
Govt School Road		1						2.00	no

CONSULTANT

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P

asurement

ments recorded on 30-10-2019

work : - Construction and Improvments of Tiolet in Ward No 08

Description	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
Chainage									
supplying &fixing of parcelain fuse channel with cut out on existing									
32amps								6.00	
Near Rmv Cluster Apartment		6						6.00	
Govt School Road		6						12.00	no

TEJUS CONSULTANTS

Consultant

Assistant Engineer

30/10

Assistant Executive Engineer

Assistant Executive Engi

asurement

ments recorded on 30-10-2019

work :- Construction and Improvments of Tiolet in Ward No 08

Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
KSRB 13-7.1-4 providing and fixing in position 50mm nominal bore gun								1.00	
Near Rmv Cluster Apartment		1						1.00	
Govt School Road		1						2.00	nos

TEJUS CONSULTANTS

Consultant

Assistant Engineer

30/10/19

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Divisio

Assistant Engineer

asurement

ments recorded on 30-10-2019

work :- Construction and Improvments of Tiolet in Ward No 08

Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
supplying & fixing 50mm dia GI X nipple with ISI mark with all lead and									
Near Rmv Cluster Apartment		1	4					4.00	
Govt School Road		1	4					4.00	
								8.00	no

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M

Measurement

rements recorded on 30-10-2019

Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
7	supplying & fixing 50mm dia GI X nipple with ISI mark with all lead and									
									4.00	
	Near Rmv Cluster Apartment		1	4					4.00	
	Govt School Road		1	4					8.00	no

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Divis

Measurement

rements recorded on 20-10-2018

Of work : - Construction and Improvments of Toilet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
8	Supplying shunt capacitor conforming to IS 2834 3 phase 400/volts								1.00	
	Near Rmv Cluster Apartment		1						1.00	
	Govt School Road		1						2.00	no

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engineer

Measurement

rements recorded on 30-10-2019

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	supplying and fixing miniature circuit breakers on existing mcb distrubution								1.00	
	Near Rmv Cluster Apartment		1						1.00	
	Govt School Road		1						2.00	no

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engineer

Measurement

rements recorded on 30-10-2019

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	supplying and fixing miniature circuit breakers on existing mcb distrubution									
	Near Rmv Cluster Apartment		1						1.00	
	Govt School Road		1						1.00	
									2.00	no

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engineer

ment

recorded on 20-10-2019

:- Construction and Improvments of Tiolet in Ward No 08

Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
ricating supplying and mounting MS box made out ... SWG able for floor / wall mounting, fully weather proof with provision better heat dissipation, provided with hinged front cover, ipped with tamper proof locking arrangements, with suitable size mps with necessary cable entry pipe with gland and box should be shed with 2 coats of red oxide primer paint and finally finished h approved colour enameled metal paint etc., complete P.No. 49, No. 6.40.2 KPWD Electrical SR 2014-15									
16swg								7200.00	
ar Rmv Cluster Apartment		1	120.00	60.00				7500.00	
		1	300.00	25.00	-				
								7200.00	
vt School Road		1	120.00	60.00				7500.00	
		1	300.00	25.00				29400.00	sq. cm

SULTANTS

sultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
BBMP

Measurement

rements recorded on 30-10-2019

Of work : - Construction and Improvments of Tiolet in Ward No 08

Q No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
59	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation. The panel board shall be fabricated on single unit in the above components for suitable pumpset. 12.5HP to 15 HP Star Delta								1.00	
	Near Rmv Cluster Apartment		1						1.00	
	Govt School Road		1						2.00	no

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engine

rement

nts recorded on 30-10-2019

ork : - Construction and Improvments of Tiolet in Ward No 08

Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
arthwork excavation for pipeline trenches including deporitng or ank up to a lead of 15m including shriry and statting danger ighting and using site rail and boming poles at every 100m wherever necessary as directed in ther structure manual pg no 1,I no1.2.2/ PRED SR 2012-13 hard soil									
Near Rmv Cluster Apartment		1	60.00	0.60	0.750			27.00	
Govt School Road		1	60.00	0.60	0.750			27.00	
								54.00	cum

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division

Measurement

rements recorded on 30-10-2019

Of work : - Construction and Improvments of Tiolet in Ward No 08

SI No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
1	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., Page No.15 item No.3.4.2 b PRED SR 2012-13.									
	75mm dia 6 KSC pvc pipe								60.00	
	Near Rmv Cluster Apartment		1	60.00					60.00	
	Govt School Road		1	60.00					120.00	Rmtr

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engi
Kodigehalli Sub Divi

easurement

ements recorded on 30-10-2019

f work : - Construction and Improvments of Tiolet in Ward No 08

o	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs Page No. 3 / Item No. 1.6 / PRED SR 2012-13								54.00	cum
	item no 27									

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Div
Yelahanka Zone, B.B

easurement

ements recorded on 20-10-2017

Of work : - Construction and Improvments of Tiolet in Ward No 08

No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
3	KSRB 13.6.3-6 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3 P. 92 / I.13.37 PWD SR - 2016-17								1.00	
	Near Rmv Cluster Apartment		1						1.00	
	Govt School Road		1						2.00	Each
			2							

TEJUS CONSULTANTS

Assistant Engineer

Assistant Executive E
Kodigehalli Sub Di

Name of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.

Detailed Measurement

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

b Code :-

me of Agency :- K.BABU RAJU

ll No :- First and Part Bill

ame of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, odigehalli.

easurements recorded on 2-4-19

Sl No	Description of item	Unit	No	L	B	D	Qty	Remarks
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.48, I. 9.4) PRED.SR 2012-13**							
	Near Angalaparameshwari Temple		1				1.00	
	CQAL Layout		1				1.00	
					Total Quantity		**2.00**	Each BW

TEJUS CONSULTANTS

Noted

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,

Detailed Measurement

ame of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, digehalli.

easurements recorded on 3/4 3-4-19

l o	Description of item	Unit	No	L	B	D	Qty	Remarks
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) **P. 46 / I. 9.1 PRED SR 2012-13**							
	0 to 50 m							
	Near Angalaparameshwari Temple		1	50.00			50.00	
	CQAL Layout		1	50.00			50.00	
					Total Quantity		**100.00**	Rmtr
3	**50 to 100 m**							
	Near Angalaparameshwari Temple		1	50.00			50.00	
	CQAL Layout		1	50.00			50.00	
					Total Quantity		**100.00**	Rmtr
4	**100 to 150 m**							
	Near Angalaparameshwari Temple		1	50.00			50.00	
	CQAL Layout		1	50.00			50.00	
					Total Quantity		**100.00**	Rmtr
5	**150 to 200**							
	Near Angalaparameshwari Temple		1	50.00			50.00	
	CQAL Layout		1	50.00			50.00	
					Total Quantity		**100.00**	Rmtr
6	**200 to 250**							
	Near Angalaparameshwari Temple		1	50.00			50.00	
	CQAL Layout		1	50.00			50.00	
					Total Quantity		**100.00**	Rmtr
7	**250 to 300**							
	Near Angalaparameshwari Temple	270-250 = 20	1	45.00			45.00	
	CQAL Layout	20	1	55.00			55.00	
		(Page 7)			**Total Quantity**		**100.00**	Rmtr

Total 50.00

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer, Kolkata Division

ame of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, digehalli.

easurements recorded on 3/4 3-4-19

l o	Description of item	Unit	No	L	B	D	Qty	Remarks
3	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty **P. iii, I No. 84 PRED SR 2012-13**							
	Near Angalaparameshwari Temple	CQAL	1	75.00			75.00	
	CQAL Layout		1	65.00			65.00	
					Total Quantity		**140.00**	Rmtr
		13/11						

noted

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,

Detailed Measurement

me of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, digehalli.

easurements recorded on 3/4 3-4-19

l o	Description of item	Unit	No	L	B	D	Qty	Remarks
	Providing 250mm dia PVC Pipe 6kg/cm **BWSSB SR 2014-15 Page No. 53, Item No. 1(ii)**							
	Devinagar		1	18.00			18.00	
	CQAL Layout		1	18.00			18.00	
					Total Quantity		**36.00**	Rmtr

Noted
3-4-19

Consultant

Assistant Engineer

Assistant Executive Engineer

3/4

Assistant Executive Engineer,
Assistant Executive Sub Division,

Name of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.

Measurements recorded on 3/4 3-4-19

Sl No	Description of item	Unit	No	L	B	D	Qty	Remarks
10	Providing and fixing 160mm Borewell Cap P. iii, I No. 85 PRED SR 2012-13							
	Near Angalaparameshwari Temple		1				1.00	
	CQAL Layout		1				1.00	
					Total Quantity		2.00	Each

TEJUS CONSULTANTS

Consultant

Noted

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,

Name of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.

Measurements recorded on 20/6 20/6/19

Sl No	Description of item	Unit	No	L	B	D	Qty	Remarks
1	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps **PWD SR 2015-16 P. XXXX Item No. 24 including of all taxes**								
	12.5 HP 25 Stage							
	Near Angalaparameshwari Temple		1				1.00	
	CQAL Layout		1				1.00	
						Total Quantity	**2.00**	No

Guarantee card ?
Bill ?

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer.

Name of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.

Measurements recorded on 20-6-17

Sl No	Description of item	Unit	No	L	B	D	Qty	Remarks
12	KSRB13-3.6 : Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.6 **Page No. 89, Item No. 13.15 PWD SR 2016-17**							
		Mtrs						
	Near Angalaparameshwari Temple		1	260.00			260.00	
	CQAL Layout		1	260.00			260.00	
					Total Quantity		**520.00**	

Assistant Engineer

Assistant Executive Engineer

Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08,
i.

nents recorded on 20-06-2019

Description of item	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Remarks**
lying and drawing 3 core flat PVC sheathed submersible pump cable factured with electrolytic grade copper with flexible copper with low ance conductor confirming to table 3 class 5 of IS:8130-1984 and grade PVC insulation and powder coating extruded PVC sheathed ble for working voltage upto 1100Volts as per IS-694:1990 & rming to GTP of **GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 4 Sqm KPWD Electrical SR 2014-15**							
Angalaparameshwari ble		2	270.00			540.00	
L Layout		2	270.00			540.00	
				Total Quantity		**1080.00**	Mtr

ks

ıth

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kadigehalli Sub Division,

ame of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, digehalli.

easurements recorded on 20-06-2012

	Description of item	Unit	No	L	B	D	Qty	Remarks
4	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) **Page No. 558, Items No-3 BWSSB SR for 2014-15)**							
	Near Angalaparameshwari Temple		1	44.00			44.00	
	CQAL Layout		1	44.00			44.00	
					Total Quantity		**88.00**	Per Length

TEJUS CONSULTANTS

20/6

ame of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, odigehalli.

easurements recorded on 20-06-2012

Sl No	Description of item	Unit	No	L	B	D	Qty	Remarks
5	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., **P No. 44 / I No. 6.6.6 KPWD Electrical SR 2014-15**							
	Near Angalaparameshwari Temple		1				1.00	
	CQAL Layout		1				1.00	
					Total Quantity		**2.00**	Each

Consultant

Assistant Engineer

Assistant Executive Engineer,

lame of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, odigehalli.

leasurements recorded on 20-06-2019

Sl lo	Description of item	Unit	No	L	B	D	Qty	Remarks
16	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A **P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15**							
	Near Angalaparameshwari Temple		1	30.00			30.00	
	CQAL Layout		1	30.00			30.00	
					Total Quantity		**60.00**	Mtr

Consultant

Assistant Engineer

Assistant Executive Engineer

ame of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, odigehalli.

easurements recorded on 20-06-2019

Sl lo	Description of item	Unit	No	L	B	D	Qty	Remarks
7	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. **P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD Electrical SR 2014-15**							
	Near Angalaparameshwari Temple		1	30.00			30.00	
	CQAL Layout		1	30.00			30.00	
					Total Quantity		**60.00**	Mtr

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

ame of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, digehalli.

easurements recorded on 20-06-2019

l o	Description of item	Unit	No	L	B	D	Qty	Remarks
3	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) **P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15**							
	For Cutting Road Surface							
	Near Angalaparameshwari Temple		1	25.00			25.00	
	CQAL Layout		1	25.00			25.00	
					Total Quantity		**50.00**	Mtr

Assistant Executive Engineer,

Devinagara in Ward No. 08,

Unit	No	L	B	D	Qty	Remarks
	1	25.00			25.00	
	1	25.00			25.00	
				Total Quantity	50.00	Mtr

ne of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, gehalli.

surements recorded on 20-06-2019

Description of item	Unit	No	L	B	D	Qty	Remarks
Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV **P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15**							
40mm dia GI pipe							
Near Angalaparameshwari Temple		1	4.00			4.00	
CQAL Layout		1	4.00			4.00	
				Total Quantity		**8.00**	Mtr

Consultant

Assistant Engineer

Assistant Executive Engineer,

er.

Name of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Bodigehalli.

Measurements recorded on 20-06-2019

Sl No	Description of item	Unit	No	L	B	D	Qty	Remarks
20	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 62 / I.No. 7.13.2 KPWD Electrical SR 2014-15**							
	16Sqmm							
	Near Angalaparameshwari Temple		1				1.00	
	CQAL Layout		1				1.00	
					Total Quantity		**2.00**	No.

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

me of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, digehalli.

asurements recorded on 20-06-2019

	Description of item	Unit	No	L	B	D	Qty	Remarks
2	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.**P No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15**							
	32 Amps							
	Near Angalaparameshwari Temple		6				6.00	
	CQAL Layout		6				6.00	
					Total Quantity		**12.00**	No.

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
[illegible] Division,

Name of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.

Measurements recorded on 20-06-2019

Sl No	Description of item	Unit	No	L	B	D	Qty	Remarks
21	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall							
	Near Angalaparameshwari Temple		1				1.00	
	CQAL Layout		1				1.00	
					Total Quantity		**2.00**	No

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer.

me of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, digehalli.

asurements recorded on 20-06-2019

	Description of item	Unit	No	L	B	D	Qty	Remarks
	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.**P No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15**							
	32 Amps							
	Near Angalaparameshwari Temple		6				6.00	
	CQAL Layout		6				6.00	
					Total Quantity		**12.00**	No.

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer.

ame of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, odigehalli.

leasurements recorded on 20-06-2017

Sl No	Description of item	Unit	No	L	B	D	Qty	Remarks
23	KSRB13-7.1-4 : Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.10 / 13.13 **Page No. 93, Item No. 13.55, PWD SR 2016-17**							
	Near Angalaparameshwari Temple		1				1.00	
	CQAL Layout		1				1.00	
					Total Quantity		**2.00**	Nos

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

ame of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, odigehalli.

easurements recorded on 20-06-2018

Sl lo	Description of item	Unit	No	L	B	D	Qty	Remarks
24	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.- **for 50mm dia**: **Page No. 95 , Item No. 13.81.3 PWD SR 2016-17**							
	50mm dia	Each						
	Near Angalaparameshwari Temple		1				1.00	
	CQAL Layout		1				1.00	
					Total Quantity		**2.00**	

Consultant

Assistant Engineer

Assistant Executive Engineer,

ame of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, odigehalli.

easurements recorded on 20-06-2019

l o	Description of item	Unit	No	L	B	D	Qty	Remarks
5	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete **P. XXXVII PWD SR 2016-17**							
	Near Angalaparameshwari Temple		1	4.00			4.00	
	CQAL Layout		1	4.00			4.00	
					Total Quantity		**8.00**	No

4

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Rodigehalli Sub Division,

Name of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.

Measurements recorded on 20-06-2019

Sl No	Description of item	Unit	No	L	B	D	Qty	Remarks
26	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. **5-32Amps Group A TPN P No. 47 / I No.6.16.5 KPWD SR 2014-15**							
	Near Angalaparameshwari Temple		1				1.00	
	CQAL Layout		1				1.00	
					Total Quantity		**2.00**	No

Consultant

Assistant Engineer

Assistant Executive Engineer

me of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, digehalli.

asurements recorded on 20-06-2014

	Description of item	Unit	No	L	B	D	Qty	Remarks
	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete **P.No. 57, I. No. 6.41.2 KPWD Electrical SR 2014-15**							
	16SWG							
	Near Angalaparameshwari Temple		4	60.00	60.00		14400.00	
			1	360.00	25.00		9000.00	
	CQAL Layout		4	60.00	60.00		14400.00	
			1	360.00	25.00		9000.00	
					Total Quantity		**46800.00**	Sq.Cm

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Div.
Yelahanka Zone, B.B.M.P.,

Detailed Measurement

me of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, digehalli.

easurements recorded on 20-06-2019

	Description of item	Unit	No	L	B	D	Qty	Remarks
8	Supplying fully automatic store detta starter unit push button type with suitable wires three contractors one adjustable termal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3pase and wired offter fixing to the wooden board for motor upto **12.50 HP** **(KPWD electrical SR for 2014-15 Page No. 44 Item No. 6.2.1)**							
	Near Angalaparameshwari Temple		1				1.00	
	CQAL Layout		1				1.00	
					Total Quantity		**2.00**	No.

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

Detailed Measurement

ne of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, igehalli.

20-06-2019

asurements recorded on

Description of item	Unit	No	L	B	D	Qty	Remarks
Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including sharing and strutting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. **Page No. 01/ Item No.1.2.2 /**							
Near Angalaparameshwari Temple							
Main Road		1	50.00	0.60	0.75	22.50	
2nd cross		1	60.00	0.60	0.75	27.00	
1st cross		1	55.00	0.60	0.75	24.75	
5th Cross		1	40.00	0.60	0.75	18.00	
CQAL Layout							
Cross Road		1	70.00	0.60	0.75	31.50	
Cross Road		1	65.00	0.60	0.75	29.25	
Cross Road		1	65.00	0.60	0.75	29.25	
				Total Quantity		**182.25**	Cum

Mention which cross road.

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P.,

Detailed Measurement

Name of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Yelahanka.

Measurements recorded on 20/6 20-06-2019

Description of item	Unit	No	L	B	D	Qty	Remarks
Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.15 item No.3.4.2 b PRED**							
75 mm dia 6 KSC PVC pipe							
Near Angalaparameshwari Temple							
Main Road		1	50.00			50.00	
2nd cross		1	60.00			60.00	
1st cross		1	55.00			55.00	
5th Cross		1	40.00			40.00	
CQAL Layout							
Cross Road		1	70.00			70.00	
Cross Road		1	65.00			65.00	
Cross Road		1	65.00			65.00	
				Total Quantity		**405.00**	Rmtr

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer

Detailed Measurement

Name of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.

Measurements recorded on 26-06-2019

Description of item	Unit	No	L	B	D	Qty	Remarks
KSRRB M1200-46. Sand filling in wells complete as per drawing and technical specifications MORTH Specification No.1207 Page No. 213, **Page No. 26.124, PWD SR 2016-17**							
Near Angalaparameshwari Temple							
Main Road		1	50.00	0.60	0.30	9.00	
2nd cross		1	60.00	0.60	0.30	10.80	
1st cross		1	55.00	0.60	0.30	9.90	
5th Cross		1	40.00	0.60	0.30	7.20	
CQAL Layout							
Cross Road		1	70.00	0.60	0.30	12.60	
Cross Road		1	65.00	0.60	0.30	11.70	
Cross Road		1	65.00	0.60	0.30	11.70	
				Total Quantity		**72.90**	Cum

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,

Detailed Measurement

Name of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.

Measurements recorded on 28-05-2019

Description of item	Unit	No	L	B	D	Qty	Remarks
Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs **Page**							
		Qty. Vide Item No. 29-31				**109.35**	Cum

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer,
Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, BBMP.

Detailed Measurement

Name of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.

Measurements recorded on 28-06-2018

Description of item	Unit	No	L	B	D	Qty	Remarks
KSRB13-6.3-7 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **65mm nominal bore** including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. P.							
		7				7.00	Each
Bescom Charges						1730.00	
Bill No-01290		1				6890.00	
Reciept No-701188990216		1				9.00	
Reciept No-701188982456		1				100.00	
Reciept No-701188931890		1				2000.00	
Reciept No-A-20596		1					
						1730.00	
Bill No-00626		1				6890.00	
Reciept No-738981783207		1				9.00	
Reciept No-738981716139		1				100.00	
Reciept No-7389817026		1				2000.00	
Reciept No-B-15891		1					
						21458.00	Rs

Consultant

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division.

Providing Drinking Water Facility in Ward No. 08, Kodigehalli.

Detailed Measurement

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Job Code :-

Name of Agency :- K.BABU RAJU

Bill No :- First and Part Bill

Providing Drinking Water Facility in Ward No. 08, Kodigehalli.

Measurements recorded on

Sl No	Description of item	No	L	B	D	Qty	Remarks
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.48, I. 9.4) PRED.SR 2012-13**					1.00	
	Near Outer Ring Road (Railway Gate)	1				1.00	
	Ram Mandhir Backside Kodigehalli	1				2.00	Each BW
					Total Quantity		

detailed location address.

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) **P. 46 / I. 9.1 PRED SR 2012-13**						
	0 to 50 m					50.00	
	Near Outer Ring Road (Railway Gate)	1	50.00			50.00	
	Ram Mandhir Backside Kodigehalli	1	50.00			**100.00**	Rmtr
				Total Quantity			
3	**50 to 100 m**					50.00	
	Near Outer Ring Road (Railway Gate)	1	50.00			50.00	
	Ram Mandhir Backside Kodigehalli	1	50.00			**100.00**	Rmtr
				Total Quantity			
4	**100 to 150 m**					50.00	
	Near Outer Ring Road (Railway Gate)	1	50.00			50.00	
	Ram Mandhir	1	50.00			**100.00**	Rmtr
				Total Quantity			
5	**150 to 200**					50.00	
	Near Outer Ring Road (Railway Gate)	1	50.00			50.00	
	Ram Mandhir	1	50.00			**100.00**	Rmtr
				Total Quantity			
6	**200 to 250**					50.00	
	Near Outer Ring Road (Railway Gate)	1	50.00			50.00	
	Ram Mandhir	1	50.00			**100.00**	Rmtr
				Total Quantity			
7	**250 to 300**					50.00	
	Near Outer Ring Road (Railway Gate)	1	50.00			50.00	
	Ram Mandhir	1	50.00			**100.00**	Rmtr
				Total Quantity			

282.0 → 32.0
260.0 — 10.0
(side page 7 of 28).

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer,
Kodigehalli Sub Divisio-

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
8	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty **P. iii, I No. 84 PRED SR 2012-13**						
	Near Outer Ring Road (Railway Gate)	1	72.00			72.00	
	Ram Mandhir	1	68.00			68.00	
					Total Quantity	**140.00**	Rmtr

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
9	Providing 250mm dia PVC Pipe 6kg/cm **BWSSB SR 2014-15 Page No. 53, Item No. 1(ii)**						
	Near Outer Ring Road (Railway Gate)	1	20.00			20.00	
	Ram Mandhir	1	16.00			16.00	
				Total Quantity		**36.00**	Rmtr

TEJUS CONSULTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
10	Providing and fixing 160mm Borewell Cap P. iii, I No. 85 PRED SR 2012-						
	Near Outer Ring Road (Railway Gate)	1				1.00	
	Ram Mandhir	1				1.00	
				Total Quantity		2.00	Each

Consultant

Assistant Engineer

Assistant Executive Engineer.
Kodigehalll Sub Division,
Kodigenahalli Sub Division,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
11	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12.50 HP 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps **PWD SR 2015-16 P. XXXX** **Item No. 24 including of all taxes**						
	12.5 HP 25 Stage					1.00	
	Near Outer Ring Road (Railway Gate)	1				1.00	
	Ram Mandhir	1			**Total Quantity**	**2.00**	No

Guarantee card ?
Purchase bill ?

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

Detailed Measurement

	Description of item	No	L	B	D	Qty	Remarks
2	KSRB13-3.6 : Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.6 **Page No. 89, Item No. 13.15 PWD SR 2016-17**						
	Near Outer Ring Road (Railway Gate)	1	272.00			272.00	
	Ram Mandhir	1	248.00			248.00	
					Total Quantity	**520.00**	Mtrs

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Bangalore Zone, B.B.M.P.,

Assistant Executive Engineer,
Kodigehalli Sub Division,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
13	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of **GROUP-A. P. No. 12 / I No. 2.10.4(1) 3C x 4 Sqm mm KPWD Electrical SR 2014-15**						
	Near Outer Ring Road (Railway Gate)	2	262.00			524.00	
	Ram Mandhir	2	278.00			556.00	
					Total Quantity	**1080.00**	Mtr

13/11

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer,
Kodigehalli Sub Division,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
14	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) **Page No. 558, Items No-3 BWSSB SR for 2014-15**						
	Near Outer Ring Road (Railway Gate)	1	44.00			44.00	
	Ram Mandhir	1	44.00			44.00	
				Total Quantity		**88.00**	Per Length

9

Consultant

Assistant Engineer

Assistant Executive Engineer

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
15	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., **P No. 44 / I No. 6.6.6 KPWD Electrical SR**						
	Near Outer Ring Road (Railway Gate)	1				1.00	
	Ram Mandhir	1				1.00	
					Total Quantity	**2.00**	Each

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer.

Assistant Executive Engineer,
Yelahanka Zone, B.B.M.P.,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
16	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A **P No. 55/ I No. 7.4.4 4 core 16 Sqmm KPWD Electrical SR 2014-15**						
	Near Outer Ring Road (Railway Gate)	1	26.00			26.00	
	Ram Mandhir	1	34.00			34.00	
					Total Quantity	**60.00**	Mtr

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Roads [illegible] Division,
Yelahanka Zone, B.B.M.P..

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
17	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct. **P No. 61 / I No. 7.8.1 6Sqmm to 16 Sqmm) KPWD**						
	Near Outer Ring Road (Railway Gate)	1	20.00			20.00	
	Ram Mandhir	1	40.00			40.00	
				Total Quantity		**60.00**	Mtr

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer.
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P..

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
18	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) **P No. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-15**						
	For Cutting Road Surface						
	Near Outer Ring Road (Railway Gate)	1	20.00			20.00	
	Ram Mandhir	1	30.00			30.00	
				Total Quantity		**50.00**	Mtr

Consultant

Assistant Engineer

Assistant Executive Engineer.
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
19	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV **P. No. 62 / I No. 7.12.1 KPWD Electrical SR 2014-15**						
	40mm dia GI pipe					4.00	
	Near Outer Ring Road (Railway Gate)	1	4.00			4.00	
	Ram Mandhir	1	4.00				
				Total Quantity		**8.00**	Mtr

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
20	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 62 / I.No. 7.13.2 KPWD Electrical SR 2014-15**						
	16Sqmm					1.00	
	Near Outer Ring Road (Railway Gate)	1				1.00	
	Ram Mandhir	1					
				Total Quantity		**2.00**	No.

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Division,
Yelahanka Zone, B.B.M.P.,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
21	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia, **(P No. 55, I No. 7.1) KPWD**						
	Near Outer Ring Road (Railway Gate)	1				1.00	
	Ram Mandhir	1				1.00	
					Total Quantity	**2.00**	No

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
B.B.M.P.,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
22	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.**P No. 44 / I No. 6.7.2 KPWD Electrical SR 2014-15**						
	32 Amps					6.00	
	Near Outer Ring Road (Railway Gate)	6				6.00	
	Ram Mandhir	6					No.
				Total Quantity		**12.00**	

Consultant

Assistant Engineer

Assistant Executive Engineer

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
23	KSRB13-7.1-4 : Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.10 / 13.13 **Page No. 93, Item No. 13.55, PWD SR 2016-17**					1.00	
	Near Outer Ring Road (Railway Gate)	1				1.00	
	Ram Mandhir	1					Nos
				Total Quantity		**2.00**	

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer,
Kadigahalli Sub Division,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
24	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.- **for 50mm dia: Page No. 95 , Item No. 13.81.3 PWD SR 2016-17**						
	50mm dia					1.00	
	Near Outer Ring Road (Railway Gate)	1				1.00	
	Ram Mandhir	1				**2.00**	Each
				Total Quantity			

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty-	Remarks
25	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc complete **P. XXXVII PWD SR 2016-17**						
	Near Outer Ring Road (Railway Gate)	1	4.00			4.00	
	Ram Mandhir	1	4.00			4.00	
				Total Quantity		**8.00**	No

TEJUS CONSULTANTS
Consultant

Assistant Engineer

Assistant Executive Engineer,
Kodikonda Sub Division,

Detailed Measurement

Sl No	Description of Item	No	L	B	D	Qty	Remarks
26	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. **5-32Amps Group A TPN P No. 47 / I No.6.16.5 KPWD SR 2014-15**						
	Near Outer Ring Road (Railway Gate)	1				1.00	
	Ram Mandhir	1				1.00	
					Total Quantity	**2.00**	No

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,

Detailed Measurement

Name of Work: Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.

Measurements recorded on

Sl No	Description of item	Unit	No	L	B	D	Qty	Remarks
27	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete **P.No. 57, I. No. 6.41.2 KPWD Electrical SR 2014-15**							
	16SWG							
	Near Angalaparameshwari Temple		4	60.00	60.00		14400.00	
			1	360.00	25.00		9000.00	
	CQAL Layout		4	60.00	60.00		14400.00	
			1	360.00	25.00		9000.00	
					Total Quantity		**46800.00**	Sq.Cm

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
28	Supplying fully automatic store detta starter unit push button type with suitable wires three contractors one adjustable termal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3pase and wired offter fixing to the wooden board for motor upto **12.50 HP (KPWD electrical SR for 2014-15 Page No. 44 Item No. 6.2.1)**						
						1.00	
	Near Outer Ring Road (Railway Gate)	1				1.00	
	Ram Mandhir	1				**2.00**	No.
				Total Quantity			

Consultant

Assistant Engineer

Assistant Executive Engineer
Assistant Executive Engineer
Hoodigenahalli Sub Division,
Yelahanka Zone, B.B.M.P.

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
29	Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including sharing and strutting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. **Page No. 01/ Item No.1.2.2 / PRED SR 2012-13 Hard Soil**						
	Near Outer Ring Road (Railway Gate)						
	17th Cross	1	115.00	0.60	0.75	51.75	
	16th Cross	1	90.00	0.60	0.75	40.50	
	Ram Mandhir						
	2nd Cross	1	65.00	0.60	0.75	29.25	
	3rd Cross	1	65.00	0.60	0.75	29.25	
	4th Cross	1	70.00	0.60	0.75	31.50	
				Total Quantity		**182.25**	Cum

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
30	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.15 item No.3.4.2 b PRED SR 2012-13.**						
	75 mm dia 6 KSC PVC pipe						
	Near Outer Ring Road (Railway Gate)						
	17th Cross	1	115.00			115.00	
	16th Cross	1	90.00			90.00	
	Ram Mandhir						
	2nd Cross	1	65.00			65.00	
	3rd Cross	1	65.00			65.00	
	4th Cross	1	70.00			70.00	
	Total Quantity					**405.00**	Rmtr

TEJUS CONSULTANTS

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
31	KSRRB M1200-46. Sand filling in wells complete as per drawing and technical specifications MORTH Specification No.1207 Page No. 213, **Page No. 26.124, PWD SR 2016-17**						
	Near Outer Ring Road (Railway Gate)						
	17th Cross	1	115.00	0.60	0.30	20.70	
	16th Cross	1	90.00	0.60	0.30	16.20	
	Ram Mandhir						
	2nd Cross	1	65.00	0.60	0.30	11.70	
	3rd Cross	1	65.00	0.60	0.30	11.70	
	4th Cross	1	70.00	0.60	0.30	12.60	
				Total Quantity		**72.90**	Cum

Consultant

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.

ed Measurement

Description of item	No	L	B	D	Qty	Remarks
illing the basement and pipeline treanches with secleted available the for trench excavation including authority condition in layers from di including disponsary of the sunplus earth with a heavy 200 mtrs						
ge No. 3 / Item No. 1.6 / PRED SR 2012-13					**109.35**	Cum
		Qty. Vide Item No. 29-31				

Consultant

Assistant Engineer

Assistant Executive Engineer

Kodigehalli Sub Division,

Detailed Measurement

Sl No	Description of item	No	L	B	D	Qty	Remarks
33	KSRB13-6.3-7 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) **65mm nominal bore** including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. **P. No.92 / I. No. 13.38 PWD SR 2016-17**					7.00	Each
		7					
	Bescom Deposit						
	Bill No-00631	1				1730.00	
	Reciept No-049711479374	1				6890.00	
	Reciept No-049711497670	1				9.00	
	Reciept No-049711432600	1				100.00	
	Reciept No-A-20596	1				2000.00	
	Bill No-00633	1				1730.00	
	Reciept No-115531255257	1				6890.00	
	Reciept No-115531256149	1				9.00	
	Reciept No-115531271381	1				100.00	
	Reciept No-B-15888	1				2000.00	
						21458.00	rs

Consultant

Assistant Engineer

Assistant Executive Engineer.
Kodigehalli Sub Division,

BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA DIVISION

Package-1, includes 10 works of Rs. 146.50 lakhs

1.Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.2.Providing Modern Dust Bins in Banglore City in Ward No 8. 3.Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.4.Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli. 5. Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.6.Providing Drinking Water Facility in Ward No. 08, Kodigehalli.7. Construction and Improvments of Tiolet in Ward No 08. 8. Improvements to Footpath and Drains at Sahakaranagara in Ward No. 08, Kodigehalli. 9. Improvements to Roads and Drains in Ward No. 08, Kodigehalli. 10.Improvements of Park in Ward No. 8 Kodigehalli.

DETAILED MEASURMENT BOOK

FIRST & PART BILL

List of Estimates	
Estimate No	**Name Of Works**
1	Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.
2	Providing Basic Amenities and Procurement of Dustbins in Ward No.08,Kodigenahalli.
3	Providing Modern Dust Bins in Banglore City in Ward No 8
4	Repairs and Maintenance of Public Toilet in Ward No. 08, Kodigehalli.
5	Construction and Improvments of Toilet in Ward No 08
6	Providing Drinking Water Facility in Maruthinagara and Devinagara in Ward No. 08, Kodigehalli.
7	Providing Drinking Water Facility in Ward No. 08, Kodigehalli.

Name Of work : - Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.

Check for written complaint left

Bruhat Bengaluru Mahanagara Palike

Bytarayanapura Division

ode :-

e of Agency :- K. BABU RAJU

o :- First and Part Bill

urements recorded on 17-06-2019

e Of work : - Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.

Q / n	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 Page No. 5 / Item No. 2.1 of PWD SR 2016-17									
	For Levelling Burial Ground									
			1	40.00			20.00	0.60	480.00	
						Total Quantity			**480.00**	**cu-m**

urements recorded on 19-06-2019

Of work : - Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.

	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 Page No. 5 / Item No. 2.3 of PWD SR 2016-17									
	For Compound Wall									
			1	19.50			1.00	0.90	17.55	
			1	20.20			1.00	0.90	18.18	
						Total Quantity			**35.73**	**cu-m**

etailed Measurement

surements recorded on 19-06-2019

e Of work : - Improvements Works to Burial Ground at Kodigehalli in Ward No. 08, Kodigehalli.

Q m	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. Page No.12, Item No. 4.3 of PWD SR 2016-17									
	For Compound Wall									
			1	19.50			1.00	0.15	2.93	
			1	20.20			1.00	0.15	3.03	
							Total Quantity		**5.96**	**cu-m**